

Amendments to the Claims:

Please amend the claims as shown below. This Listing of Claims will replace prior versions, and listings, of claims in the application.

Listing of Claims:

1. (currently amended) An information processing method performed by an information processing apparatus including a processor, for converting input color data including a plurality of color component data and black component data into output color data including a plurality of color component data and black component data, the input color data being dependent on a source device and the output color data being dependent on a destination device, the information processing method comprising:

obtaining a source profile corresponding to the source device and a destination profile corresponding to the destination device, wherein the destination profile includes a first color conversion from a device dependent color space into a device-independent color space and a second color conversion from a device-independent color space into a device dependent color space;

determining a relationship between lightness levels and black color based on the first color conversion of the destination profile;

determining, by the processor, when a black-printing compensation is applied and the input color data indicates a simple black color, output color data for the simple black color having a lightness level equivalent to a lightness level of the input color data, based on the source profile and the determined relationship between lightness levels and black color; and

determining, when the black-printing compensation is not applied or when the black-printing compensation is applied and the input color does not indicate the simple black color, output color data by using the source profile and the second color conversion of the destination profile without using the determined relationship between lightness levels and black color,

wherein a value of plurality of color component data included in the input color data determined as the simple black color is 0.

2. (canceled)

3. (original) An information processing method according to claim 1, wherein the input data and the output data are either simple black colors or achromatic.

4-5. (canceled)

6. (currently amended) A computer-readable storage medium having stored thereon a program for implementing an information processing method for converting input color data including a plurality of color component data and black component data, the input color data being dependent on a source device and the output color data being dependent on a destination device, the program implementing:

obtaining a source profile corresponding to the source device and a destination profile corresponding to the destination device, wherein the destination profile includes a first color conversion from a device dependent color space into a device-independent color space and a second color conversion from a device-independent color space into a device dependent color space;

determining a relationship between lightness levels and black color based on the first color conversion of the destination profile;

determining, when a black-printing compensation is applied and the input color data indicates a simple black color, output color data for the simple black color having a lightness level equivalent to a lightness level of the input color data based on the source profile and the determined relationship between lightness levels and black color; and

determining, when the black-printing compensation is not applied or when the black-printing compensation is not applied or when the black-printing compensation is applied and the input color data does not indicate the simple black color, output color data by using the source profile and the second color

conversion of the destination profile without using the determined relationship between lightness levels and black color,

wherein a value of plurality of color component data included in the input color data determined as the simple black color is 0.

7. (canceled)

8. (currently amended) An information processing apparatus for converting color data including a plurality of color component data and black component data into output color data including a plurality of color component data and black component data, the input color data being dependent on a source device and the output color data being dependent on a destination device, the information processing apparatus comprising:

a first section arranged to obtain a source profile corresponding to the source device and a destination profile corresponding to the destination device, wherein the destination profile includes a first color conversion from a device dependent color space into a device-independent color space and a second color conversion from a device-independent color space into a device dependent color space;

a second section arranged to determine a relationship between lightness levels and black color based on the first color conversion of the destination profile; and

a third section arranged to determined, when a black-printing compensation is applied and the input color data indicates black color, output color data for the simple black color having a lightness level equivalent to a lightness level of the input color data based on the source profile and the determined relationship between lightness levels and black color, and to determine, when the black-printing compensation is not applied or when the black-printing compensation is applied and the input color data does not indicate the simple black color, output color data by using the source profile and the

second color conversion of the destination profile without using the determined relationship between lightness levels and black color,

wherein a value of plurality of color component data included in the input color data determined as the simple black color is 0.

9-13. (canceled)

14. (previously presented) An information processing method according to claim 1, wherein the determination of the relationship between lightness levels and black color includes:

generating, by converting the plurality of the simple black color by using the destination profile, a first conversion condition for converting the black color into the lightness level; and

performing an inverse conversion process on the first conversion condition.

15-17. (canceled)